## YASHIRO et al U.S. National Phase of PCT/NL2004/000454

## **AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application:

- 1. (original) A photocurable resin composition comprising:
- (A) 20-85 wt% of a cationically polymerizable component,
- (B) 0.1-10 wt% of a cationic-polymerization initiator,
- (C) 5-45 wt% of a component having a structure shown by the following formula (1),

wherein  $R^1$ ,  $R^2$ , and  $R^3$  individually represent organic groups, provided that at least two of  $R^1$ ,  $R^2$ , and  $R^3$  have a polymerizable carbon-carbon double bond,

- (D) 0.1-10 wt% of a radical-polymerization initiator, and
- (E) 0-20 wt% of a component having at least one radically polymerizable group in the molecule.
- 2. (original) The composition according to claim 1, wherein component A is selected from the group consisting of 3,4-epoxycyclohexylmethyl-3',4'-epoxycyclohexanecarboxylate, bis(3,4-epoxycyclohexylmethyl)adipate, ε-caprolactone-modified 3,4-epoxycyclohexylmethyl-3',4'-epoxycyclohexanecarboxylate, trimethylcaprolactone-modified 3,4-epoxycyclohexylmethyl-3',4'-epoxycyclohexylmethyl-3',4'-epoxycyclohexanecarboxylate, β-methyl-δ-valerolactone-modified 3,4-epoxycyclohexylmethyl-3',4'-epoxycyclohexanecarboxylate, bisphenol A diglycidyl ether, bisphenol F diglycidyl ether, hydrogenated bisphenol A diglycidyl ether, hydrogenated bisphenol F diglycidyl ether, 1,4-butanediol diglycidyl ether, 1,6-hexanediol diglycidyl

## YASHIRO et al U.S. National Phase of PCT/NL2004/000454

ether, trimethylolpropane triglycidyl ether, glycerol triglycidyl ether, polyethylene glycol diglycidyl ether and polypropylene glycol diglycidyl ether.

- 3. (currently amended) The composition according to claim 1 or 2, wherein the component (C) contains a spacer molecule between the carbon-carbon double bond and the isocyanurate cyclic structure.
- 4. (original) The composition according to claim 3, wherein the spacer molecule is an aliphatic chain by modifying the isocyanurate cyclic structure with ethylene oxide, propylene oxide, or ε-caprolactone.
- 5. (currently amended) The composition according to anyone of claims 1 to 4 claim 1, wherein component (C) is selected from the group consisting of

bis((meth)(aciyloxymethyl)hydroxymethyl isocyanurate,

bis((meth)acryloxyethyl)hydroxyethyl isocyanurate,

tris((meth)acryloxymethyl)isocyanurate, tris((meth)acryloxyethyl)isocyanurate and caprolactone-modif led tris( (meth)acryloxyethyl)isocyanurate.

- 6. (currently amended) The composition according to anyone of claims 1 to 5 claim 1, wherein the component (C) is used in an amount of 10-35 wt%.
- 7. (currently amended) The composition according to anyone of claims 1 to 6 claim 1, wherein a polyfunctional acrylate is present selected from the group consisting of trimethylolpropane tri(meth)acrylate, EO-modified trimethylolpropane tri(meth)acrylate, dipentaerythritol hexa(meth)acrylate, dipentaerythritol penta(meth)acrylate, and ditrimethyloipropane tetra(meth)acrylate.
- 8. (currently amended) The composition according to anyone of claims 1 to 7 claim 1, wherein composition comprises (F) elastomer particles with an average particle diameter of 10-1000 nm.
  - 9. (original) A process for forming a three-dimensional article comprising:

## YASHIRO et al U.S. National Phase of PCT/NL2004/000454

- (1) coating a layer of a composition onto a surface, wherein the composition is used as defined in anyone of claims 1-8;
- (2) exposing the layer imagewise to actinic radiation to form an imaged crosssection, wherein the radiation is of sufficient intensity to cause substantial curing of the layer in the exposed areas;
- (3) coating a layer of the composition onto the previously exposed imaged cross-section;
- (4) exposing said thin layer from step (3) imagewise to actinic radiation to form an additional imaged cross-section, wherein the radiation is of sufficient intensity to cause substantial curing of the thin layer in the exposed areas and to cause adhesion to the previously exposed imaged cross-section;
- (5) repeating steps (3) and (4) a sufficient number of times in order to build up the three-dimensional article.
- 10. (currently amended) Use of a composition as defined in anyone of claims 1-8 claim 1, for making three dimensional objects.
- 11. (currently amended) A three dimensional object made from a composition as defined in anyone of claims 1-8 claim 1 by curing the composition.